



BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: PER20030006
Agency Interest No.: 39978

Mr. Adam Smith
Plant Manager
4735 Point Clair Rd
St. Gabriel, LA 70776

RE: Permit modification, Kinder Morgan Liquids Terminals St Gabriel LLC, Kinder Morgan Liquids Terminals St Gabriel LLC
St. Gabriel, Iberville Parish, Louisiana

Dear Mr. Smith:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 1280-00018-06

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:trg

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Kinder Morgan Liquids Terminals St Gabriel LLC

Agency Interest No.: 39978

Kinder Morgan Liquids Terminals St Gabriel LLC

St. Gabriel, Iberville Parish, Louisiana

I. BACKGROUND

Kinder Morgan Liquids Terminals LLC owns Kinder Morgan Liquids Terminals LLC - St Gabriel Terminal (KMLT - St. Gabriel), an existing bulk liquid storage terminal, initially constructed and operated by Sun Terminals, Inc. Nordix acquired the facility in June 1983, mothballed the terminal and stopped renewing its permit after 1986. In 1988 Nordix proposed to reopen the terminal and resumed the storage and shipping operations under a variance granted on May 2, 1988 and then obtained Permit No. 1280-00018-00 issued October 7, 1988. A request to install eight (8) new storage tanks was approved and Permit No. 1280-000187-01 was granted June 30, 1989. Additional amendments were implemented February 7, 1994 and February 24, 1995, and a change of tank service was approved July 10, 1995. A request to incorporate changing service of a tank, construction of a truck loading/unloading rack, two tanks, and rail car operations, and to consolidate all air permitting requirements, exemptions and a satellite facility (Permit No. 2368) was approved under Permit No. 1280-00018-02, issued April 2, 1997. Addition of three new tanks was approved and Permit No. 1280-00018-03 was granted on August 26, 1997. IC OmniModal Terminal Company purchased the terminal effective October 27, 1997. The installation and operation of a benzene loading rack along with a control device and a thermal oxidizer, was approved under small source Permit No. 2550 issued June 30, 1998. A modification to add a 40,000-barrel benzene storage, change the service of a tank to allow storage of trichloroethylene and incorporate small source Permit No. 2550 was approved and Permit No. 1280-00018-04 was issued October 05, 1999. Construction of a 20,000-gallon alcohol (C₅+), and a 30,000-gallon caustic storage tank, Emission Points 37-20 and T-30-36, respectively, was approved and Permit No. 1280-00018-05 issued June 28, 2000. Ownership of the terminal was transferred to Kinder Morgan Liquids Terminals, LLC – St. Gabriel Terminal effective October 04, 2002. An authorization to construct and operate (ATC) a floating tank, Emission Point 22-88, for storing naphtha was granted on July 10, 2003. Installation of an enclosed flare, Emission Point 1-05, next to the thermal oxidizer was approved under an authorization to construct issued May 12, 2005. An authorization to construct and operate an internal floating roof for the existing fixed roof storage tank 200-1, Emission Point 23-20, was approved on June 21, 2005. A request to install a new 1,470,000-gallon internal floating roof tank, Emission Point 2-04, to store trichloroethylene was approved under small source Permit No. 3024 issued February 10, 2006. A name change from Kinder Morgan Liquids Terminals, LLC to Kinder Morgan Liquids Terminals St. Gabriel, LLC was approved and became effective March 09, 2006. A request to install two carbon control systems, Emission Points CCS1 and CCS2, each of which is composed of three canisters (carbon beds) arranged in series and with a minimum reduction efficiency of 95%, to control benzene emissions during landing of the floating roofs was granted, under an authorization to construct and operate, on September 24, 2007. A number of tank service changes (CTS) and other ATCs and small source permits were approved since the issuance of Permit No. 1280-00018-05 issued June 28, 2000 and under which the facility is currently operating.

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**Kinder Morgan Liquids Terminals St Gabriel LLC
Agency Interest No.: 39978**

**Kinder Morgan Liquids Terminals St Gabriel LLC
St. Gabriel, Iberville Parish, Louisiana**

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated September 04, 2003 were received requesting a permit. Additional information and/or revision dated October 06, 2003, November 06, 2003, December 11, 2003, January 05, 2004, April 22, 2004, May 21, 2004, July, 28, 2004, June 21, 2005, May 18, 2007, January 31, 2007, June 15, 2007, July 16, 2007 and November 19, 2007 were also received. A final revision dated December 20, 2007 and additional information dated February 14, 2008, on which this permit is based were also received.

III. DESCRIPTION

Kinder Morgan Liquids Terminals St. Gabriel, LLC (KMLT - St. Gabriel), owns and operates an existing bulk liquid storage terminal in St. Gabriel. The Terminal is located at 4735 Point Clair Road on Highway 141 in St. Gabriel. The main facility is located on the east bank of the Mississippi River and bounded by the estate of Louis Smith, downstream by the estate of Elizabeth Castheniole and to the east by the Community Canal. A satellite rail car facility is located northeast of the main facility.

KMLT - St. Gabriel receives various liquid products by rail, truck, barge, ship or pipeline, and these products are stored in above ground storage tanks before being distributed by rail, truck, barge, ship or pipeline as required by customer demands. The facility occasionally transfers materials directly from rail, truck, barge or ship into trucks, railcars or marine vessels prior to further transportation.

KMLT - St. Gabriel requests a permit modification to establish synthetic minor limits on potential to emit. The modification includes the following:

1. Establish facility wide emissions caps for VOC and for individual and combined hazardous and/or toxic air pollutants (HAP/TAP). The cap was requested to limit the potential to emit below the major source thresholds and to achieve operational flexibility to accommodate changing customer demands,
2. Include the following new and existing emission sources:
 - a. Addition of two diesel engines, Emission Points FPDE and LDE;
 - b. A new, temporary, portable flare, Emission Point TF-1, which can be brought onsite as needed for emission control during non-routine activities (such as degassing benzene tanks for cleaning);
 - c. Tank cleaning operations and IFR Landing Losses, Emission Points TC-1 and LL-1,

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St. Gabriel, Iberville Parish, Louisiana**

3. Reauthorize construction of Tanks 1-04 (tank 100-1) and 1-03 (tank 150-2),
4. Delete sources 1-88, 3-88 thru 6-88, 12-88, 19-88, 47-88, 48-88, 51-25, 51-88, 36-05 thru 46-05, 25-10, 37-20, and T-30-36,
5. Consolidate all fugitive emission sources, including Source 57-88 Fugitive Emission (Satellite Site), Source 54-88 Fugitive Emission (Dock), and Source 55-88 Fugitive Emission (Truck Loading), into a single Source 52-88 Facility Fugitive Emissions,
6. Provide updated emissions estimates and emissions source inventory based on recently developed and best available data, and
7. Incorporate all relevant permit actions granted since June 28, 2000.

Emissions at the terminal are generated from the combustion of fuel in the diesel engines, thermal oxidizers, enclosed and temporary flares, the vents of the storage tanks and control systems, and fugitives from equipment leaks.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before*	After	Change
PM ₁₀	0.11	1.97	+ 1.86
SO ₂	7.45	1.86	- 5.59
NO _X	0.17	15.52	+ 15.35
CO	0.28	39.38	+ 39.10
VOC ¹	38.08	49.40	+ 11.32

*Under Permit No. 1280-00018-05.

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in Tons per year
Individual toxic air pollutants (TAP)	9.40
Total Combined TAP's	24.40
Total VOC	49.40

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Kinder Morgan Liquids Terminals St Gabriel LLC

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Kinder Morgan Liquids Terminals St Gabriel LLC

St. Gabriel, Iberville Parish, Louisiana

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

The facility is subject to a federally enforceable condition limiting the emissions of VOCs, individual and combined TAPs, calculated using the same approved methods utilized in estimating these emissions in the permit application (MSDS, throughputs, mass balance, etc.), to below the corresponding major source thresholds.

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008; and in the <local paper>, <local town>, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VI. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: ISC3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Ambient Air Quality Standard (NAAQS)
Benzene	Annual	9.25 µg/m ³	12 µg/m ³

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St. Gabriel, Iberville Parish, Louisiana

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Schedule	Emission Rates - tons				
		PM ₁₀	SO ₂	NO _X	CO	VOC
Line Cleaning	12 line/year	-	-	-	-	2.11
Vacuum Trucking	12 truck/year	-	-	-	-	0.43
Sampling Activities	773 Samples/yr	-	-	-	-	0.01

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
NA	Propane Fired Boiler	LAC 33.III.501.B.5.A.1

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 04, 2003, along with supplemental information dated October 06, November 06, and December 11, 2003; January 05, 2004, April 22, May 21 and July 28, 2004; June 21, 2005, January 31, 2007, May 18, 2007, June 15 2007, July 16 2007, November 19 2007, December 20, 2007 and February 14, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 39978 Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

Also Known As:	ID	Name	User Group	Start Date
Kinder Morgan Liquids Terminals St Gabriel LLC	1280-00018	Kinder Morgan Liquids Terminals St Gabriel LLC	CDS Number	08-09-1999
LPDES #	LA0052353	LPDES #	LPDES Permit #	07-02-1998
LPDES #	LAG670003	LPDES #	LPDES Permit #	05-22-2003
LPDES #	LAR05M596	Priority 1 Emergency Site	LPDES Permit #	05-22-2003
IC Omnimodal Terminal Co	41878	IC Omnimodal Terminal Co	Priority 1 Emergency Site	07-19-2006
TEMPO Merge		TEMPO Merge	TEMPO Merge	08-14-2001
Physical Location:	4735 Point Clair Rd		Main FAX:	2256428301
	St. Gabriel, LA 70776		Main Phone:	2256425516
Mailing Address:	PO Box 323			
	St. Gabriel, LA 707760323			
Location of Front Gate:	30° 13' 0" latitude, 91° 8' 26" longitude,	Coordinate Method: Interpolation - Map,	Coordinate Datum: NAD27	
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Bruce Conti	4735 Point Clair Rd St Gabriel, LA 70776		2256428301 (WF)	Water Billing Party for
Don Orgeron	4735 Point Clair Rd St Gabriel, LA 70776		2256425516 (WP)	Air Permit Contact For
Don Orgeron	4735 Point Clair Rd St Gabriel, LA 70776		2256428301 (WF)	Air Permit Contact For
Don Orgeron	4735 Point Clair Rd St Gabriel, LA 70776		2256425516 (WP)	Emission Inventory Contact for
Don Orgeron	4735 Point Clair Rd St Gabriel, LA 70776		2256425516 (WP)	Emission Inventory Contact for
Adam Smith	4735 Point Clair Rd St. Gabriel, LA 70776		2256425516 (WP)	Responsible Official for
Adam Smith	4735 Point Clair Rd St. Gabriel, LA 70776		Adam_Smith@kinder	Responsible Official for
David Vensel	4375 Point Clair Rd St. Gabriel, LA 70776		225675387 (WP)	Emission Inventory Contact for
David Vensel	4375 Point Clair Rd St. Gabriel, LA 70776		David_Vensel@kinder	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
Kinder Morgan Liquids Terminals St	4735 Point Clair Rd St. Gabriel, LA 70776		2256425516 (WP)	Emission Inventory Billing Party
Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776		2256428301 (WF)	Emission Inventory Billing Party
Kinder Morgan Liquids Terminals St	4735 Point Clair Rd St. Gabriel, LA 70776		2256425516 (WP)	Operates
Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776		2256428301 (WF)	Operates
Kinder Morgan Liquids Terminals St	4735 Point Clair Rd St. Gabriel, LA 70776		2256425516 (WP)	Air Billing Party for
Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776		2256428301 (WF)	Air Billing Party for
Kinder Morgan Liquids Terminals St	4735 Point Clair Rd St. Gabriel, LA 70776		2256425516 (WP)	Owns
Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776		2256425516 (WP)	Owns
Kinder Morgan Liquids Terminals St	4735 Point Clair Rd St. Gabriel, LA 70776			
Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776			
Kinder Morgan Liquids Terminals St	4735 Point Clair Rd St. Gabriel, LA 70776			
Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776			

General Information

AI ID: 39978 Kinder Morgan Liquids Terminals St Gabriel LLC

Activity Number: PER20030006

Permit Number: 1260-00018-06

Air - Minor (Synthetic) Modification

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Kinder Morgan Liquids Terminals St Gabriel LLC	4735 Point Clair Rd St. Gabriel, LA 70776	2256428301 (WVF)	Owns

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ENTIRE TERMINAL						
EQT0002	2-88 - Fixed Roof Storage Tank 310-1	1.3 million gallons	6.51 MM gallons/yr	6.51 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0007	7-88 - Fixed Roof Storage Tank 5-1	23000 gallons	138000 gallons/yr	138000 gallons/yr	VOL	8760 hr/yr (All Year)
EQT0009	22-88 - Internal Floating Roof Storage Tank 775-1	3.38 million gallons	33.81 MM gallons/yr	33.81 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0010	2-98 - Thermal Oxidizer		6 MM BTU/hr	6 MM BTU/hr		4380 hr/yr (All Year)
EQT0011	1-05 - Enclosed Flare		16 MM BTU/hr	16 MM BTU/hr	VOC (Benzene Vapors)	8760 hr/yr (All Year)
EQT0012	2-04 - Internal Floating Roof Storage Tank 350-1	1.47 million gallons	7.35 MM gallons/yr	7.35 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0013	FPDE - Diesel Fire Pump		420 horsepower	420 horsepower	Diesel fired	104 hr/yr (All Year)
EQT0014	LDE - Diesel Engine -Unloading		65 horsepower	65 horsepower		2912 hr/yr (All Year)
EQT0016	1-98 - North Truck Loading Rack		577.83 MM gallons/yr	577.83 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0018	TF-1 - Temporary Flare		42 MM BTU/hr	42 MM BTU/hr		1999 hr/yr (All Year)
EQT0019	1-03 - Internal Floating Roof Storage Tank 150-2	630000 gallons	12.6 MM gallons/yr	12.6 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0020	1-04 - Internal Floating Roof Storage Tank 100-2	420000 gallons	8.4 MM gallons/yr	8.4 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0021	23-20 - Internal Floating Roof Storage Tank 200-1	840000 gallons	4.2 MM gallons/yr	4.2 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0022	24-10 - Internal Floating Roof Storage Tank 110-1	462000 gallons	9.24 MM gallons/yr	9.24 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0023	26-3 - Fixed Roof Storage Tank 25-1	105000 gallons	525000 gallons/yr	525000 gallons/yr	VOL	8760 hr/yr (All Year)
EQT0024	27-3 - Fixed Roof Storage Tank 25-2	105000 gallons	525000 gallons/yr	525000 gallons/yr	VOL	8760 hr/yr (All Year)
EQT0025	28-3 - Fixed Roof Storage Tank 25-3	105000 gallons	525000 gallons/yr	525000 gallons/yr	VOL	8760 hr/yr (All Year)
EQT0026	29-25 - Internal Floating Roof Storage Tank 265-1	1.11 million gallons	44.52 MM gallons/yr	44.52 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0027	30-25 - Internal Floating Roof Storage Tank 265-2	1.11 million gallons	33.39 MM gallons/yr	33.39 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0028	31-25 - Internal Floating Roof Storage Tank 265-3	1.11 million gallons	33.39 MM gallons/yr	33.39 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0029	32-25 - Internal Floating Roof Storage Tank 260-1	1.09 million gallons	21.84 MM gallons/yr	21.84 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0030	40-01 - Internal Floating Roof Storage Tank 460-1	1.93 million gallons	57.96 MM gallons/yr	57.96 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0031	53-88 - Storm Water Sump		1.5 MM gallons/yr	1.5 MM gallons/yr	Oil/Water	8760 hr/yr (All Year)
EQT0032	49-88 - Marine Vessel Loading Dock		591.09 MM gallons/yr	591.09 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0033	50-88 - South Truck Loading Rack		13.26 MM gallons/yr	13.26 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0034	56-88 - Rail Car Loading (Satellite Site)		13.26 MM gallons/yr	13.26 MM gallons/yr	VOL	8760 hr/yr (All Year)
EQT0035	CCS1 - Carbon Control System 1 (Primary and Stand-By).				(None Specified)	
EQT0036	CCS2 - Carbon Control System 2 (Primary and Stand-By)				(None Specified)	
FUG001	52-88 - Facility Fugitive Emissions				8760 hr/yr (All Year)	

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
ENTIRE TERMINAL							
EQT0002	2-88 - Fixed Roof Storage Tank 310-1					32	70

INVENTORIES

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER2003006
 Permit Number: 1260-000-18-06
 Air - Minor (Synthetic) Modification

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
ENTIRE TERMINAL							
EQT0007	7-88 - Fixed Roof Storage Tank 5-1					12	70
EQT0009	22-88 - Internal Floating Roof Storage Tank 775-1					41	77
EQT0010	2-98 - Thermal Oxidizer	27	2500	.54	.25	1400	
EQT0011	1-05 - Enclosed Flare	32	545	.463	.25	1800	
EQT0012	2-04 - Internal Floating Roof Storage Tank 350-1					40	
EQT0013	FPDE - Diesel Fire Pump			.5	.6		
EQT0014	LDE - Diesel Engine - Unloading			.5	.6		
EQT0018	TF-1 - Temporary Flare		8			35	
EQT0019	1-03 - Internal Floating Roof Storage Tank 150-2					40	
EQT0020	1-04 - Internal Floating Roof Storage Tank 100-2					32	
EQT0021	23-20 - Internal Floating Roof Storage Tank 200-1					32	70
EQT0022	24-10 - Internal Floating Roof Storage Tank 110-1					32	
EQT0023	26-3 - Fixed Roof Storage Tank 25-1					12	70
EQT0024	27-3 - Fixed Roof Storage Tank 25-2					20	70
EQT0025	28-3 - Fixed Roof Storage Tank 25-3					20	70
EQT0026	29-25 - Internal Floating Roof Storage Tank 265-1					32	
EQT0027	30-25 - Internal Floating Roof Storage Tank 265-2					32	
EQT0028	31-25 - Internal Floating Roof Storage Tank 265-3					32	
EQT0029	32-25 - Internal Floating Roof Storage Tank 260-1					32	
EQT0030	40-01 - Internal Floating Roof Storage Tank 460-1					32	
EQT0032	49-88 - Marine Vessel Loading Dock	23	280	.5		35	70
EQT0033	50-88 - South Truck Loading Rack	26	140	.33		12	70
EQT0034	56-88 - Rail Car Loading (Satellite Site)	26	140	.33		12	70
EQT0035	CCS1 - Carbon Control System 1 (Primary and Stand-By)		500	4			
EQT0036	CCS2 - Carbon Control System 2 (Primary and Stand-By)		500	4			

Relationships:

ID	Description	Relationship	ID	Description
EQT0016	1-98 North Truck Loading Rack	Controlled by, (when routed to the thermal incinerator)	EQT0010	2-98 Thermal Oxidizer
EQT0016	1-98 North Truck Loading Rack	Controlled by, (when routed to the enclosed flare)	EQT0011	1-05 Enclosed Flare
EQT0032	49-88 Marine Vessel Loading Dock	Controlled by, (only when loading products with vapor pressure => 1.5 psia and routed to the enclosed flare)	EQT0010	2-98 Thermal Oxidizer
EQT0032	49-88 Marine Vessel Loading Dock	Controlled by, (only when loading products with vapor pressure => 1.5 psia)	EQT0011	1-05 Enclosed Flare

INVENTORIES

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

Relationships:

ID	Description	Relationship	ID	Description
EQT0033	50-88 South Truck Loading Rack	psia and routed to the enclosed flare)	EQT0010	2-98 Thermal Oxidizer
EQT0035	CCS1 Carbon Control System 1 (Primary and Stand-By)	Controls emissions from, (during landing and refloating activities after off float events)	EQT0026	29-25 Internal Floating Roof Storage Tank 265-1
EQT0035	CCS1 Carbon Control System 1 (Primary and Stand-By)	Controls emissions from, (during landing and refloating activities after off float events)	EQT0027	30-25 Internal Floating Roof Storage Tank 265-2
EQT0035	CCS1 Carbon Control System 1 (Primary and Stand-By)	Controls emissions from, (during landing and refloating activities after off float events)	EQT0028	31-25 Internal Floating Roof Storage Tank 265-3
EQT0035	CCS1 Carbon Control System 1 (Primary and Stand-By)	Controls emissions from, (during landing and refloating activities after off float events)	EQT0029	32-25 Internal Floating Roof Storage Tank 260-1
EQT0035	CCS1 Carbon Control System 1 (Primary and Stand-By)	Controls emissions from, (during landing and refloating activities after off float events)	EQT0030	40-01 Internal Floating Roof Storage Tank 460-1
EQT0036	CCS2 Carbon Control System 2 (Primary and Stand-By)	Controls emissions from, During landing and refloating activities after off float events	EQT0009	22-88 Internal Floating Roof Storage Tank 775-1
EQT0036	CCS2 Carbon Control System 2 (Primary and Stand-By)	Controls emissions from, During landing and refloating activities after off float events	EQT0021	23-20 Internal Floating Roof Storage Tank 200-1

Subject Item Groups:

ID	Group Type	Group Description
CRG0002	Common Requirements Group	IFR - Common Requirements for IFR
CRG0003	Common Requirements Group	FRT - Common Requirements for FRT
GRP0001	Equipment Group	CAP - Facility VOC/HAP CAP
SCN0001	Alternate Operating Scenario	Kb Records - Kb Recordkeeping Reqs Only >=0.5 psi <=0.75 psi
SCN0002	Alternate Operating Scenario	Kb - IFR FLS - Kb Requirements for IFR Tank with Foam or Liquid-Filled Seal
SCN0003	Alternate Operating Scenario	Kb - IFR 2S - Kb Requirements for IFR Tank with Two Seals Mounted
SCN0004	Alternate Operating Scenario	Kb REQTs - IFR - Kb Requirements for IFR Tank with Mechanical Seal
SCN0007	Alternate Operating Scenario	2103 BC - 2103 IFR Requirements
SCN0010	Alternate Operating Scenario	40 CFR 61 - Y - Y Benzene Storage Requirements
SCN0012	Alternate Operating Scenario	40 CFR 61 - BB2 - BB Benzene Annual Loading >=343,423 gal
SCN0013	Alternate Operating Scenario	40 CFR 61 - V - V EQT Leak in Benzene Service Reqs
SCN0016	Alternate Operating Scenario	2108 - Tanktruck Railcar Loading Requirements
SCN0017	Alternate Operating Scenario	2108 - Marine Loading Requirements
SCN0018	Alternate Operating Scenario	LL-1 - IFR Benzene Landing Losses <1.5 psi
UNF0001	Unit or Facility Wide	KMLT ST GAB - ENTIRE TERMINAL

INVENTORIES
AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER2003006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

Group Membership:

Group Membership:	ID	Description	Member of Groups
	EQT0002	2-88 - Fixed Roof Storage Tank 310-1	GRP0000000001
EQT0007	7-88 - Fixed Roof Storage Tank 5-1		GRP0000000001
EQT0009	22-88 - Internal Floating Roof Storage Tank 775-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0010	2-98 - Thermal Oxidizer	GRP0000000001	
EQT0011	1-05 - Enclosed Flare	GRP0000000001	
EQT0012	2-04 - Internal Floating Roof Storage Tank 350-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0013	FPDE - Diesel Fire Pump	GRP0000000001	
EQT0014	LDE - Diesel Engine -Unloading	GRP0000000001	
EQT0016	1-98 - North Truck Loading Rack	GRP0000000001, SCN0000000012, SCN0000000016	
EQT0018	TF-1 - Temporary Flare	GRP0000000001	
EQT0019	1-03 - Internal Floating Roof Storage Tank 150-2	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0020	1-04 - Internal Floating Roof Storage Tank 100-2	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0021	23-20 - Internal Floating Roof Storage Tank 200-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0022	24-10 - Internal Floating Roof Storage Tank 110-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0023	26-3 - Fixed Roof Storage Tank 25-1	CRG0000000003, GRP0000000001	
EQT0024	27-3 - Fixed Roof Storage Tank 25-2	CRG0000000003, GRP0000000001	
EQT0025	28-3 - Fixed Roof Storage Tank 25-3	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0026	29-25 - Internal Floating Roof Storage Tank 265-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0027	30-25 - Internal Floating Roof Storage Tank 265-2	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0028	31-25 - Internal Floating Roof Storage Tank 265-3	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0029	32-25 - Internal Floating Roof Storage Tank 260-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0030	40-01 - Internal Floating Roof Storage Tank 460-1	CRG0000000002, GRP0000000001, SCN0000000001, SCN0000000002, SCN0000000003, SCN0000000004, SCN0000000007, SCN0000000010, SCN0000000018	
EQT0031	53-88 - Storm Water Sump	GRP0000000001	
EQT0032	49-88 - Marine Vessel Loading Dock	GRP0000000001	
EQT0033	50-88 - South Truck Loading Rack	GRP0000000001	

INVENTORIES

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

Group Membership:

ID	Description	Member of Groups
EQT0034	56-88 - Rail Car Loading (Satellite Site)	GRP0000000001
EQT0035	CCS1 - Carbon Control System 1 (Primary and Stand-By)	GRP0000000001
EQT0036	CCS2 - Carbon Control System 2 (Primary and Stand-By)	GRP0000000001
FUG001	52-88 - Facility Fugitive Emissions	GRP0000000001, SCN00000000013

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1360	D) Petroleum, Chemical Bulk Storage and Terminal (500,000 BBL Capacity or Less)		

SIC Codes:

4226	Special warehousing and storage, nec	UNF001
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER2003006
 Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

Subject Item	CO		NOx		PM10		SO2		VOC			
	Avg lb/hr	Max lb/hr	Tons/Year									
ENTIRE TERMINAL												
EQT 0010 2-98	1.90	2.0	4.26	0.36	0.38	0.78	0.16	0.17	0.35	0.09	0.20	
EQT 0011 1-05	5.90	8.90	25.93	1.10	1.60	4.77	0.02	0.03	0.08	0.15	0.22	0.64
EQT 0013 FPDE	2.80	3.50	0.14	13.00	16.30	0.65	0.92	1.20	0.05	0.86	1.10	0.04
EQT 0014 LDE	0.43	0.54	0.65	2.00	2.50	3.02	0.14	0.18	0.21	0.13	0.17	0.20
EQT 0018 TF-1	8.40	12.60	8.40	6.30	9.50	6.30	1.30	1.90	1.28	0.78	1.20	0.78
EQT 0031 53-88												0.86
EQT 0032 49-88												72.30
EQT 0033 50-88												36.20
EQT 0034 56-88												36.20
EQT 0035 CCS1												2.80
EQT 0036 CCS2												2.90
GRP 0001 CAP												11.30
SCN 0018 LL-1												431

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC

Activity Number: PER20030006

Permit Number: 1260-00018-06

Air - Minor (Synthetic) Modification

Emission Pt.	Pollutant	Max lb/hr	Tons/Year
EQT 0010 2-98	Toxic air pollutants (TAP)	5.60	
EQT 0011 1-05	Toxic air pollutants (TAP)	22.70	
EQT 0018 TF-1	Toxic air pollutants (TAP)	72.10	
EQT 0031 53-88	Toxic air pollutants (TAP)	0.86	
EQT 0032 49-88	Toxic air pollutants (TAP)	72.30	
EQT 0033 50-88	Toxic air pollutants (TAP)	36.20	
EQT 0034 56-88	Toxic air pollutants (TAP)	36.20	
EQT 0035 CCS1	Toxic air pollutants (TAP)	2.80	
EQT 0036 ccs2	Toxic air pollutants (TAP)	2.90	
GRP 0001 CAP	Toxic air pollutants (TAP)		24.40
			9.40

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

GRP 0001	Toxic air pollutants (TAP)	Tons/Year	24.40 tpy represents the combined (aggregate) toxic air pollutants. 5.60 Avg lbs/hr for combined (aggregate) toxic air pollutants. Which Months: All Year
GRP 0001	Toxic air pollutants (TAP)	Tons/Year	9.40 tpy represents any Chapter 51 individual toxic air pollutant. 2.1 lbs/hr Avg lb/hr for any Chapter 51 individual toxic air pollutant. Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

CRG0002 Common Requirements for IFR

Group Members: EQT0009 EQT0012 EQT0020 EQT0021 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

- 1 [LAC 33:III.501.C.6]
 - Comply with the applicable NSPS Kb Recordkeeping requirements of SCN0001 if the maximum true vapor pressure at any temperature is 0.5 psia or greater but less than 0.75 psia.
 - Comply with the IFR Tank Seal requirements of SCN0002, SCN0003, or SCN004 if the maximum true vapor pressure of the stored liquid at any temperature is greater than 0.75 psi, and
 - Comply with the LAC 33:III.2103 requirements of SCN0007 if the maximum true vapor pressure of the stored liquid at any temperature is greater than 1.5 psi.
 - Comply with Landing Loss requirements of SCN018 during landing and refloating activities, and
 - Comply with the Benzene storage requirements of SCN010 if storing benzene.

Maintain a record of the liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
- 2 [LAC 33:III.501.C.6]

CRG0003 Common Requirements for FRT <0.75 psi

Group Members: EQT0023 EQT0024 EQT0025

- 3 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] VOL storage data recordkeeping by electronic or hard copy upon each occurrence. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)] Comply with the applicable requirements of SCN0001 if the maximum true vapor pressure of the stored commodity at any temperature is 0.5 psia or greater but less than 0.75 psia.
 Maintain a record of the liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
 Permittee shall not store in this tank any volatile organic liquids with true vapor pressure of 0.75 psia or greater at any temperature.
- 4 [40 CFR 60.116b(c)]
- 5 [LAC 33:III.501.C.6]
- 6 [LAC 33:III.501.C.6]
- 7 [LAC 33:III.501.C.6]

EQT0002 2-88 Fixed Roof Storage Tank 310-1

- 8 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
 Permittee shall not store in this tank any volatile organic liquids with true vapor pressure of 0.75 or greater at any temperature.
- 9 [LAC 33:III.501.C.6]

EQT0007 7-88 Fixed Roof Storage Tank 5-1

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
Air - Mirror (Synthetic) Modification

EQT0007 7-88 Fixed Roof Storage Tank 5-1

- 10 [LAC 33:III.2103.1.6] VOL storage data recordkeeping by electronic or hard copy upon each occurrence. Keep records of the type(s) of VOC stored and the length of time stored.
 Permittee shall not store in this tank any volatile organic liquids with true vapor pressure of 1.5 psia or greater at any temperature.

EQT0010 2-98 Thermal Oxidizer

- 12 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQT0011 1-05 Enclosed Flare

- 14 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Flare gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack.
 Which Months: All Year Statistical Basis: None specified
 Flare gas: Heat content monitored by technically sound method annually, to insure the heat content is above 300 BTU/scf.
 Which Months: All Year Statistical Basis: None specified
 Flare gas: Heat content recordkeeping by electronic or hard copy upon occurrence of event.
 Presence of a flame monitored by visual inspection/determination upon occurrence of event.
 Which Months: All Year Statistical Basis: None specified
 Presence of a flame recordkeeping by electronic or hard copy upon occurrence of event.

EQT0013 FPDE Diesel Fire Pump

- 21 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC

Activity Number: PER20030006

Permit Number: 1260-00018-06

Air - Minor (Synthetic) Modification

EQT0013 FPDE Diesel Fire Pump
 22 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQT0014 LDE Diesel Engine -Unloading
 23 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 24 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQT0016 1-98 North Truck Loading Rack
 25 [LAC 33:III.501.C.6] Comply with requirements of SCN0012 when loading Benzene.
 Loading of materials with VOC maximum true vapor pressure 1.5 psia or greater will be captured and routed to either the Enclosed Flare (EPN 1-05) or the Thermal Oxidizer (EPN 2-98).
 Maintain records of the total throughput of each loaded or transferred commodity each month, as well as the total throughput of each loaded or transferred commodity during twelve consecutive month-period. Retain these records along with the commodities Material Safety Data Sheets (MSDS) on site or at alternative site approved by LDEQ.
 Prior to loading determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a, b, d or e. (e. by another method approved by the administrative authority; which may include the use of a portable analyzer to determine true vapor pressure of the VOL.)
 - Comply with the recordkeeping and reporting requirements of SCN0012 and SCN0016 if 343,423 gallons or more of benzene (or any commodity containing 70 percent or more by weight benzene) are loaded or transferred.
 - Comply with the applicable requirements of scenario SCN0016 if the maximum true vapor pressure of the volatile organic compound (excluding benzene) at loading conditions is equal to or greater than 1.5 psia.

EQT0018 TF-1 Temporary Flare
 29 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified
 30 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 31 [LAC 33:III.501.C.6] Flare gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

EQT0018 TF-1 Temporary Flare

- Flare gas: Heat content monitored by technically sound method upon occurrence of event, to insure the heat content is above 300 BTU/scf.
 Which Months: All Year Statistical Basis: None specified
- Flare gas: Heat content recordkeeping by electronic or hard copy upon occurrence of event.
- Presence of a flame monitored by visual inspection/determination upon occurrence of event.
 Which Months: All Year Statistical Basis: None specified
- Presence of a flame recordkeeping by electronic or hard copy upon occurrence of event.

EQT0032 49-88 Marine Vessel Loading Dock

- Comply with requirements of SCN0012 when loading Benzene.
 Emissions from any product with a TVP of 1.5 psia or greater will be routed to either the Enclosed Flare (EPN 1-05) or the Thermal Oxidizer (EPN 2-98).
- Maintain records of the total throughput of each loaded or transferred commodity each month, as well as the total throughput of each loaded or transferred commodity during twelve consecutive month-period. Retain these records along with the commodities Material Safety Data Sheets (MSDS) on site or at alternative site approved by LDEQ.
- Prior to loading a ship or barge, determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a, b, d or e. (e. by another method approved by the administrative authority; which may include the use of a portable analyzer to determine true vapor pressure of the VOL.)
- Comply with the recordkeeping and reporting requirements of SCN0012 and SCN0017 if 34.3,423 gallons or more of benzene (or any commodity containing 70 percent or more by weight benzene) are loaded or transferred annually.
 - Comply with the applicable requirements of scenario SCN0017 if the maximum true vapor pressure of the volatile organic compound (excluding benzene) at loading conditions is equal to or greater than 1.5 psia.

EQT0033 50-88 South Truck Loading Rack

- Maintain records of the total throughput of each loaded or transferred commodity each month, as well as the total throughput of each loaded or transferred commodity during twelve consecutive month-period. Retain these records along with the commodities Material Safety Data Sheets (MSDS) on site or at alternative site approved by LDEQ.
- Prior to loading determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a, b, d or e. (e. by another method approved by the administrative authority; which may include the use of a portable analyzer to determine true vapor pressure of the VOL.)
- Permittee shall not handle commodities with vapor pressure of 1.5 psia or greater at this loading station.

EQT0034 56-88 Rail Car Loading (Satellite Site)

- Maintain records of the total throughput of each loaded or transferred commodity each month, as well as the total throughput of each loaded or transferred commodity during twelve consecutive month-period. Retain these records along with the commodities Material Safety Data Sheets (MSDS) on site or at alternative site approved by LDEQ.

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

EQT0034 56-88 Rail Car Loading (Satellite Site)

43 [LAC 33:III.501.C.6]

Prior to loading determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a, b, d or e. (e. by another method approved by the administrative authority; which may include the use of a portable analyzer to determine true vapor pressure of the VOL.)d

- Permittee shall not handle commodities with vapor pressure of 1.5 psia or greater at this loading station.

EQT0035 CCS1 Carbon Control System 1 (Primary and Stand-By)

44 [LAC 33:III.501.C.6]

Equipment/operational data recordkeeping by electronic or hard copy daily. Keep records of the tests to determine carbon canister life, as well as the dates of canister replacement, on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Replace canisters as necessary to maintain a control efficiency of >=95%.

Utilize Carbon Control System 1 to control Benzene emissions for IFR tanks due to landing loss and refloating activities after an off float event.

VOC, Total: monitored by specified method(s) daily. Monitor VOC breakthrough using portable VOC detector until the reliable life expectancy of the canister is established.

EQT0036 CCS2 Carbon Control System 2 (Primary and Stand-By)

48 [LAC 33:III.501.C.6]

Equipment/operational data recordkeeping by electronic or hard copy daily. Keep records of the tests to determine carbon canister life, as well as the dates of canister replacement, on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Replace canisters as necessary to maintain a control efficiency of >=95%.

Utilize Carbon Control System 2 to control Benzene emissions for IFR tanks due to landing loss and refloating activities after an off float event.

VOC, Total monitored by the regulation's specified method(s) daily. Monitor VOC breakthrough using a portable VOC detector until the reliable life expectancy of the canister is established.

Which Months: All Year Statistical Basis: None specified

FUG0001 52-88 Facility Fugitive Emissions

52 [40 CFR 61.112(a)]

Comply with the requirements of 40 CFR 61 Subpart V of SCN0013 for each affected component when in benzene service. Subpart J. [40 CFR 61.112(a)]

53 [LAC 33:III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

GRP0001 Facility VOC/HAP CAP

Group Members: EQT0002 EQT0007 EQT0009 EQT0010 EQT0011 EQT0013 EQT0014 EQT0016 EQT0018 EQT0019 EQT0021 EQT0020 EQT0022 EQT0023 EQT0024 EQT0025 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030 EQT0031 EQT0032 EQT0033 EQT0034 EQT0035 EQT0036 FUG0001

54 [LAC 33:III.501.C.6] A report showing the overall calculated VOC, individual and combined HAP/TAP emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31st for the preceding calendar year.

SPECIFIC REQUIREMENTS

AID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

GRP0001 Facility VOC/HAP CAP

55 [LAC 33:III.501.C.6] Aggregate Toxic air pollutants (TAP) \leq 24.40 tons/yr. Compliance with this limitation shall be demonstrated by calculating total Aggregate TAP emissions for this cap each month as well as the sum of the monthly emissions for the previous twelve consecutive months. This calculation shall include emissions from all facility wide sources and activities. Total calculated Aggregate TAP emissions from the storage tank cap over the limit for any consecutive twelve month period shall be a violation of this permit. Notify the Office of Environmental Compliance, Enforcement Division if Aggregate TAP emissions exceed the maximum listed in this specific condition for any twelve consecutive month period.

56 [LAC 33:III.501.C.6] Keep records, of the calculated VOC, individual and combined HAP/TAP emissions each month, as well as the VOC, individual and combined HAP/TAP emissions for the last twelve months. These emissions shall be calculated by the same method(s) used in calculating the initial estimates or the latest approved suitable methods (using measurable parameters, such as materials throughputs, fuel consumption, feed rates, mass balance, emission factors, test results, etc.). Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years, and make available upon request for inspection by DEQ.

Toxic Air Pollutant (TAP) \leq 9.40 tons/yr. This represents any Chapter 51 individual toxic air pollutants. Compliance with this limitation shall be demonstrated by calculating total Individual VOC, Toxic emissions for this cap each month as well as the sum of the emissions for the previous twelve consecutive months. This calculation shall include emissions from all facility wide sources and activities. Total calculated Individual VOC, Toxic emissions from the storage tank cap over the limit for any consecutive twelve month period shall be a violation of this permit. Notify the Office of Environmental Compliance, Enforcement Division if Individual VOC, Toxic emissions exceed the maximum listed in this specific condition for any twelve consecutive month period.

57 [LAC 33:III.501.C.6] VOC, Total \leq 49.40 tons/yr. Compliance with the VOC limitations shall be demonstrated by calculating total VOC emissions for this cap each month as well as the sum of the monthly emissions for the previous twelve consecutive months. This calculation shall include emissions from all facility wide sources and activities. Total calculated VOC emissions from the storage tank cap over the limit for any consecutive twelve month period shall be a violation of this permit. Notify the Office of Environmental Compliance, Enforcement Division if total VOC emissions exceed the maximum listed in this specific condition for any twelve consecutive month period.

SCN0002 Kb Requirements for IFR Tank with Foam or Liquid-Filled Seal

Group Members: EQT0009 EQT0012 EQT0019 EQT0020 EQT0021 EQT0022 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

59 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

60 [40 CFR 60.112b(a)(1)(ii)(A)] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

SPECIFIC REQUIREMENTS

All ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0002 Kb Requirements for IFR Tank with Foam or Liquid-Filled Seal

- 61 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- 62 [40 CFR 60.113b(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
- If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 63 [40 CFR 60.113b(a)(2)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 64 [40 CFR 60.113b(a)(4)]
- 65 [40 CFR 60.113b(a)(4)]

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Mirror (Synthetic) Modification

SCN0002 Kb Requirements for IFR Tank with Foam or Liquid-Filled Seal

- 66 [40 CFR 60.113b(a)(5)] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- 67 [40 CFR 60.115b(a)(1)] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]
- 68 [40 CFR 60.115b(a)(2)] Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- 69 [40 CFR 60.115b(a)(3)] Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- 70 [40 CFR 60.115b(a)(4)] Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- 71 [40 CFR 60.116b(a)] Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(a)]
- 72 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 73 [40 CFR 60.116b(c)] VQL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

SCN0003 Kb Requirements for IFR Tank with Two Seals Mounted

Group Members: EQT0009 EQT0012 EQT0019 EQT0020 EQT0021 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0003 Kb Requirements for IFR Tank with Two Seals Mounted

- 74 [40 CFR 60.112b(a)(1)(i)]
 Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 75 [40 CFR 60.112b(a)(1)(ii)(B)]
 Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]
- 76 [40 CFR 60.112b(a)(1)]
 Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- 77 [40 CFR 60.113b(a)(1)]
 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- 78 [40 CFR 60.113b(a)(3)(i)]
 Which Months: All Year Statistical Basis: None specified
 Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]
- 79 [40 CFR 60.113b(a)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
 Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- 80 [40 CFR 60.113b(a)(4)]
 Which Months: All Year Statistical Basis: None specified
 If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Mirror (Synthetic) Modification

SCN0003 Kb Requirements for IFR Tank with Two Seals Mounted

- 81 [40 CFR 60.113b(a)(4)]
 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 82 [40 CFR 60.113b(a)(5)]
 Which Months: All Year Statistical Basis: None specified
 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- 83 [40 CFR 60.115b(a)(1)]
 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]
- 84 [40 CFR 60.115b(a)(2)]
 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- 85 [40 CFR 60.115b(a)(3)]
 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- 86 [40 CFR 60.115b(a)(4)]
 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- 87 [40 CFR 60.116b(a)]
 Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(a)]
- 88 [40 CFR 60.116b(b)]
 Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 89 [40 CFR 60.116b(c)]
 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 90 [40 CFR 60.116b(d)]
 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

SPECIFIC REQUIREMENTS

AID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0004 Kb Requirements for IFR Tank with Mechanical Seal

Group Members: EQT0009 EQT0012 EQT0021 EQT0022 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

- 91 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 92 [40 CFR 60.112b(a)(1)(ii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]
- 93 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- 94 [40 CFR 60.113b(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- 95 [40 CFR 60.113b(a)(2)] Which Months: All Year Statistical Basis: None specified
 If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0004 Kb Requirements for IFR Tank with Mechanical Seal

96 [40 CFR 60.113b(a)(4)]
 If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

97 [40 CFR 60.113b(a)(4)]
 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified

Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)] Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(a)]

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0004 Kb Requirements for IFR Tank with Mechanical Seal

- Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

SCN0007 2103 IFR Requirements => 1.5 psi

Group Members: EQT0009 EQT0012 EQT0019 EQT0020 EQT0021 EQT0022 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

- 104 [40 CFR 60.116b(b)] Equip with a submerged fill pipe.
 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.
- 105 [40 CFR 60.116b(c)] Option 1: Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
 Option 2: Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
 Option 3: Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 106 [40 CFR 60.116b(d)] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 107 [LAC 33:III.2103.B] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 108 [LAC 33:III.2103.B] Determine VOC maximum true vapor pressure using the methods in LAC 33:II.2103.H.3.a-e.
- 109 [LAC 33:III.2103.C.1.a] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 110 [LAC 33:III.2103.C.1.b]
- 111 [LAC 33:III.2103.C.1.c]
- 112 [LAC 33:III.2103.C.2]
- 113 [LAC 33:III.2103.C]
- 114 [LAC 33:III.2103.H.3]
- 115 [LAC 33:III.2103.I]

SCN0010 Y Benzene Storage Requirements

Group Members: EQT0009 EQT0012 EQT0019 EQT0020 EQT0021 EQT0022 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0010 Y Benzene Storage Requirements

- 116 [40 CFR 61.271(a)(1)] Ensure that the internal floating roof is floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, ensure that the process of filling, emptying, or refilling is continuous and is accomplished as rapidly as possible. Subpart Y. [40 CFR 61.271(a)(1)]
- 117 [40 CFR 61.271(a)(2)] Equip internal floating roof with one of the closure devices listed in 40 CFR 61.271(a)(2)(i) through (a)(2)(iii) between the wall of the storage vessel and the edge of the internal floating roof. Subpart Y. [40 CFR 61.271(a)(2)]
- 118 [40 CFR 61.271(a)(3)] Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart Y. [40 CFR 61.271(a)(3)]
- 119 [40 CFR 61.271(a)(4)] Ensure that each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents provides a projection below the liquid surface. Subpart Y. [40 CFR 61.271(a)(4)]
- 120 [40 CFR 61.271(a)(5)(i)] Equip each opening in the internal floating roof with a cover or lid, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float. Subpart Y. [40 CFR 61.271(a)(5)(i)]
- 121 [40 CFR 61.271(a)(5)(ii)] Ensure that each penetration of the internal floating roof for the purposes of sampling is a sample well. Ensure that each sample well has a slit fabric cover that covers at least 90 percent of the opening. Subpart Y. [40 CFR 61.271(a)(5)(ii)]
- 122 [40 CFR 61.271(a)(5)(iii)] Equip each automatic bleeder vent with a gasket. Subpart Y. [40 CFR 61.271(a)(5)(iii)]
- 123 [40 CFR 61.271(a)(5)(iv)] Equip rim space vents with a gasket. Subpart Y. [40 CFR 61.271(a)(5)(iv)]
- 124 [40 CFR 61.271(a)(5)(v)] Ensure that each penetration of the internal floating roof that allows for passage of a ladder has a gasketed sliding cover. Subpart Y. [40 CFR 61.271(a)(5)(v)]
- 125 [40 CFR 61.271(a)(5)(vi)] Ensure that each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof has a flexible fabric sleeve seal or a gasketed sliding cover. Subpart Y. [40 CFR 61.271(a)(5)(vi)]
- 126 [40 CFR 61.271(a)(6)] Ensure that each cover or lid on any opening in the internal floating roof is closed (i.e., no visible gaps), except when a device is in actual use. Bolt covers on each access hatch and each automatic gauge float well when they are not in use, if equipped with bolts. Set rim space vents to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Subpart Y. [40 CFR 61.271(a)(6)]
- 127 [40 CFR 61.271(a)] Equip with a fixed roof and an internal floating roof. Subpart Y. [40 CFR 61.271(a)]
- 128 [40 CFR 61.272(a)(1)] Tank roof and seals monitored by visual inspection/determination once prior to filling the storage vessel with benzene. If there are holes, tears or other openings in the primary seal, the secondary seal, or the seal fabric, or defects in the internal floating roof, repair the items before filling. Subpart Y. [40 CFR 61.272(a)(1)]
- 129 [40 CFR 61.272(a)(2)] Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination annually after initial fill through manholes and roof hatches, except as provided in 40 CFR 61.272(a)(4)(i). If the internal floating roof is not resting on the surface of the benzene liquid inside the storage vessel, or there is liquid on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. Subpart Y. [40 CFR 61.272(a)(2)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0010 Y Benzene Storage Requirements

- Notify DEQ in writing at least 30 days prior to filling or refilling to afford DEQ the opportunity to have an observer present. If the inspection is not planned and could not have known about 30 days in advance of refilling the vessel, notify DEQ at least 7 days prior to refilling. Make notification by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Y. [40 CFR 61.272(a)(3)(i)]
- If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of these conditions exist before refilling the storage vessel with benzene. Subpart Y. [40 CFR 61.272(a)(3)(ii)]
- Tank roof and seals monitored by visual inspection/determination once each time the storage vessel is emptied and degassed. Ensure that inspections occur at intervals less than 10 years in the case of vessels conducting the annual visual inspections as specified in 40 CFR 61.272(a)(2) and at intervals less than 5 years in the case of vessels specified in 40 CFR 61.272(a)(4)(i). Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any). Subpart Y. [40 CFR 61.272(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- Option 1: Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 61.272(a)(3). Subpart Y. [40 CFR 61.272(a)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Option 2: Tank roof and seals monitored by visual inspection/determination annually and at least every 10 years as specified in 40 CFR 61.272(a)(2). Subpart Y. [40 CFR 61.272(a)(4)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Submit initial report: Due with the report required by 40 CFR 61.07. Describe the controls which will be applied to meet the equipment requirements in 40 CFR 61.271 or 61.270(g). Subpart Y. [40 CFR 61.274(a)]
- Submit supplemental periodic report: Due within 15 days of storage vessel repair, if an extension is requested in an annual periodic report in accordance with 40 CFR 61.272(a)(2). Identify the vessel and describe the date the storage vessel was emptied and the nature of and date the repair was made. Subpart Y. [40 CFR 61.275(a)(3)]
- Submit report: Due annually within 60 days of inspection. Describe the results of each inspection conducted in accordance with 40 CFR 61.272(a). Include the information specified in 40 CFR 61.275(a)(1) and (a)(2). Subpart Y. [40 CFR 61.275(a)]
- Submit report: Due within 60 days of conducting each inspection required by 40 CFR 61.272(a)(3) or (a)(4). Describe the results of each inspection conducted. Identify each storage vessel in which the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area. Also describe the nature of the defect, the date the storage vessel was emptied, and the nature of and date the repair was made. Subpart Y. [40 CFR 61.275(b)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 61.276(b) and (c). Subpart Y.

SCN0012 BB Benzene Annual Loading >=343,423 gal

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0012 BB Benzene Annual Loading >=343,423 gal

Group Members: EQT0016 EQT0032

- 140 [40 CFR 61.300(e)] If loading marine vessels only, achieve compliance with the provisions in 40 CFR 61 Subpart BB on and after July 23, 1991. If loading marine vessels and tank trucks or railcars, the marine vessel loading racks must achieve compliance with 40 CFR 61 Subpart BB on and after July 23, 1991, while the tank truck loading racks and railcar loading racks must achieve compliance as required by 40 CFR 61.12. Subpart BB. [40 CFR 61.300(e)]
- 141 [40 CFR 61.302(a)] Equip with a vapor collection system that is designed to collect all benzene vapors displaced from tank trucks, railcars, or marine vessels during loading, and to prevent any benzene vapors collected at one loading rack from passing through another loading rack to the atmosphere. Subpart BB. [40 CFR 61.302(a)]
- Benzene $\geq 98\%$ reduction by weight using a control device. Subpart BB. [40 CFR 61.302(b)]
- Which Months: All Year Statistical Basis: None specified
- Limit loading of benzene into vapor-tight tank trucks and vapor-tight railcars by obtaining the vapor-tightness documentation described in 40 CFR 61.305(h) for each tank truck or railcar loaded. The test date in the documentation must be within the preceding 12 months. Cross-check the identification number for each tank truck or railcar to be loaded with the file of vapor-tightness documentation before the corresponding tank truck or railcar is loaded. If no documentation is on file, obtain a copy of the information from the tank truck or railcar operator before the tank truck or railcar is loaded. Subpart BB. [40 CFR 61.302(d)]
- Option 1: Limit the loading of benzene into marine vessels to those vessels that are vapor tight by ensuring that each marine vessel is loaded with the benzene product tank below atmospheric pressure (i.e., at negative pressure). If the pressure is measured at the interface between shoreside vapor collection pipe and marine vessel vapor line, the pressure measured according to the procedures in 40 CFR 61.303(f) must be below atmospheric pressure. Subpart BB. [40 CFR 61.302(e)(1)]
- Option 2: Limit the loading of benzene into marine vessels to those vessels that are vapor tight by using the procedure in 40 CFR 61.302(e)(2)(i) through (iii) to obtain the vapor-tightness documentation described in 40 CFR 61.305(h). Subpart BB. [40 CFR 61.302(e)(2)]
- Option 3: Limit the loading of benzene into marine vessels to those vessels that are vapor tight by obtaining a copy of the marine vessel's vapor-tightness documentation described in 40 CFR 61.305(h) for a test conducted within the preceding 12 months in accordance with 40 CFR 61.304(f). Subpart BB. [40 CFR 61.302(e)(3)]
- Limit loading of benzene to tank trucks, railcars, and marine vessels equipped with vapor collection equipment that is compatible with the facility's vapor collection system. Subpart BB. [40 CFR 61.302(f)]
- Limit loading of benzene into tank trucks, railcars, and marine vessels to those whose collection systems are connected to the facility's vapor collection systems. Subpart BB. [40 CFR 61.302(g)]
- Ensure that the vapor collection and benzene loading equipment of tank trucks and railcars is designed and operated to prevent gauge pressure in the tank truck or railcar tank from exceeding, during loading, the initial pressure the tank was pressured up to and shown to be vapor tight at during the most recent vapor-tightness test using 40 CFR 60, Appendix A, Method 27. This vapor-tightness test pressure is not to be exceeded when measured by the procedures specified in 40 CFR 61.304(c). Subpart BB. [40 CFR 61.302(h)]
- Ensure that no pressure-vacuum vent in the vapor collection system for tank trucks and railcars shall begin to open at a system pressure less than the maximum pressure at which the tank truck or railcar is operated. Subpart BB. [40 CFR 61.302(i)]
- Ensure that the maximum normal operating pressure of the marine vessel's vapor collection equipment shall not exceed 0.8 times the relief set pressure of the pressure-vacuum vents. This level is not to be exceeded when measured by the procedures specified in 40 CFR 61.304(d). Subpart BB. [40 CFR 61.302(j)]

SPECIFIC REQUIREMENTS

All ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0012 BB Benzene Annual Loading >=343,423 gal

When complying with Option 1: Pressure monitored by pressure instrument during loading. Install a recording pressure measurement device (magnetehelic gauge or equivalent device) and an audible and visible alarm system that is activated when the pressure vacuum specified in 40 CFR 61.302(e)(1) is not attained. Place the alarm system so that it can be seen and heard where cargo transfer is controlled and on the open deck. Subpart BB. [40 CFR 61.303(f)]

Which Months: All Year Statistical Basis: None specified

When complying with Option 1: Pressure recordkeeping by recorder during loading. Subpart BB. [40 CFR 61.303(f)]

Determine compliance with 40 CFR 61.302 using the test methods and procedures specified in 40 CFR 61.304(a) through (f), as appropriate. Subpart BB.

Submit report: Due quarterly. Submit the initial report within 90 days after the effective date of 40 CFR 61 Subpart BB or 90 days after startup for a source that has an initial startup date after the effective date. Include the information specified in 40 CFR 61.605(f)(1) through (f)(5). Subpart BB. [40 CFR 61.305(f)]

Keep the vapor-tightness documentation required under 40 CFR 61.302(d) and (e) on file at the affected facility in a permanent form available for inspection. Subpart BB. [40 CFR 61.305(g)]

Update the documentation file required under 40 CFR 61.302(d) and (e) for each tank truck, railcar, or marine vessel at least once per year to reflect current test results as determined by the appropriate method. Include, as a minimum, the information specified in 40 CFR 61.305(h)(1) through (h)(8). Subpart BB. [40 CFR 61.305(h)]

SCN0013 V EQT Leak in Benzene Service Req

Group Members: FUG0001

Mark each piece of equipment so that it can be distinguished readily from pieces of equipment not subject to 40 CFR 61 Subpart V. Subpart V. [40 CFR 61.242-1(d)]

Pumps in VHAP service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as specified in 40 CFR 61.242-1(c) and 40 CFR 61.242-2(d), (e) and (f). If a reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 61.242-2(c). Subpart V. [40 CFR 61.242-2(a)(1)]

Which Months: All Year Statistical Basis: None specified Pumps in VHAP service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 61.242-2(c). Subpart V. [40 CFR 61.242-2(a)(2)]

Which Months: All Year Statistical Basis: None specified Pumps: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 61.242-10. Subpart V. [40 CFR 61.242-2(c)]

Pumps (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 61.242-11; or equip with a system that purges the barrier fluid into a process stream with zero VHAP emissions to the atmosphere. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(1)]

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0013 V EQT Leak in Benzene Service Reqs

- Pumps (dual mechanical seal system): Ensure that the barrier fluid is not in VHAP service and, if the pump is covered by standards under 40 CFR Part 60, not in VOC service. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(2)]
- Pumps (dual mechanical seal system): Equip with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(3)]
- Pumps (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 61.245 to determine the presence of VOC and VHAP in the barrier fluid. If the monitor reading (taking into account any background readings) indicates the presence of VHAP, a leak is detected. If an instrument reading of 10,000 ppm or greater (total VOC) is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 61.242-2(d)(6). Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(4)]
- Which Months: All Year Statistical Basis: None specified
- Pumps (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(5)]
- Pumps (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 61.242-10. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(6)]
- Pumps (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 61.242-2(d)(6)(i), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 61.242-2(d)(6). Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (b). Subpart V. [40 CFR 61.242-2(d)(7)]
- Which Months: All Year Statistical Basis: None specified
- Pumps (no detectable emissions): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a), (c), and (d). Subpart V. [40 CFR 61.242-2(e)(3)]
- Which Months: All Year Statistical Basis: None specified
- Pumps (unsafe-to-monitor): Demonstrate that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 61.242-2(a). Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (d)(4) through (d)(6). Subpart V. [40 CFR 61.242-2(g)(1)]
- Pumps (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable, and repair according to the procedures in 40 CFR 61.242-2(c) if a leak is detected. Comply with this requirement instead of the requirements in 40 CFR 61.242-2(a) and (d)(4) through (d)(6). Subpart V. [40 CFR 61.242-2(g)(2)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0013 V EQT Leak in Benzene Service Req

- 172 [40 CFR 61.242-2(h)] Pumps (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement in 40 CFR 61.242-2(a)(2) and (d)(4) and the daily requirements of 40 CFR 61.242(d)(5). Subpart V. [40 CFR 61.242-2(h)]
- Which Months: All Year Statistical Basis: None specified
- Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to atmosphere, except as provided in 40 CFR 61.242-1(c) and 40 CFR 61.242-3(h) and (i). Subpart V. [40 CFR 61.242-3(a)]
- Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip the seal system with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 61.242-11; or equip the seal system with a system that purges the barrier fluid into a process stream with zero VHAP emissions to atmosphere. Subpart V. [40 CFR 61.242-3(b)]
- Compressors: Ensure that the barrier fluid is not in VHAP service and, if the compressor is covered by standards under 40 CFR part 60, is not in VOC service. Subpart V. [40 CFR 61.242-3(c)]
- Compressors: Equip each barrier fluid system as described in 40 CFR 61.242-3(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart V. [40 CFR 61.242-3(d)]
- Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart V. [40 CFR 61.242-3(e)(2)]
- Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 61.242-10. Subpart V. [40 CFR 61.242-3(g)]
- Compressors (no detectable emissions): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 61.242-3(a) through (h). Subpart V. [40 CFR 61.242-3(i)(2)]
- Which Months: All Year Statistical Basis: None specified
- Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 61.242-3(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 61.242-3(g). Subpart V.
- Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service: VOC, Total < 500 ppm above background, except during pressure releases, as measured by the method in 40 CFR 61.245(c). Subpart V. [40 CFR 61.242-4(a)]
- Which Months: All Year Statistical Basis: None specified
- Pressure relief device in gas/vapor VHAP service: After each pressure release, return to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 61.242-10. Subpart V. [40 CFR 61.242-4(b)(1)]
- Pressure relief device in gas/vapor VHAP service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) of pressure release to confirm the condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 61.245(c). Subpart V. [40 CFR 61.242-4(b)(2)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0013 V EQT Leak in Benzene Service Reqs

- 184 [40 CFR 61.242-4(d)(2)] Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 61.242-10. Comply with this requirement instead of the requirements in 40 CFR 61.242-4(a) and (b). Subpart V. [40 CFR 61.242-4(d)(2)]
- 185 [40 CFR 61.242-5] Sampling connecting systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 61.242-1(c). Operate the system as specified in 40 CFR 61.242-5(b). Subpart V.
- 186 [40 CFR 61.242-6] Open-ended valves or lines: Equip with a cap, blind flange, plug or a second valve, except as provided in 40 CFR 61.242-1(c). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line. Operate each open-ended valve equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart V.
- 187 [40 CFR 61.242-7(a)] Valves in VHAP service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 monthly except as specified. If a reading of 10,000 ppm or greater is recorded, a leak is detected, initiate repair provisions specified in 40 CFR 61.242-7(d). Permittee may elect to comply with the alternate standards for valves in 40 CFR 61.242-7(c), 40 CFR 61.243-1 or 40 CFR 61.243-2 (skip period provisions). Subpart V. [40 CFR 61.242-7(a)]
- 188 [40 CFR 61.242-7(d)] Which Months: All Year Statistical Basis: None specified Valves: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 61.242-10. Subpart V. [40 CFR 61.242-7(d)]
- 189 [40 CFR 61.242-7(f)(3)] Valves (no detectable emissions): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ, to determine compliance with 40 CFR 61.242-7(h)(2). Comply with this requirement instead of the requirements in 40 CFR 61.242-7(a). Subpart V. [40 CFR 61.242-7(f)(3)]
- 190 [40 CFR 61.242-7(g)(1)] Which Months: All Year Statistical Basis: None specified Valves (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 61.242-7(a). Comply with this requirement instead of the requirements in 40 CFR 61.242-7(a). Subpart V. [40 CFR 61.242-7(g)(1)]
- 191 [40 CFR 61.242-7(g)(2)] Valves (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequent as practicable during safe-to-monitor times. Comply with this requirement instead of the requirements in 40 CFR 61.242-7(a). Subpart V. [40 CFR 61.242-7(g)(2)]
- 192 [40 CFR 61.242-7(h)(1)] Which Months: All Year Statistical Basis: None specified Valves (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 61.242-7(a). Subpart V. [40 CFR 61.242-7(h)(1)]
- 193 [40 CFR 61.242-7(h)(3)] Valves (difficult-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valve at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 61.242-7(a). Subpart V. [40 CFR 61.242-7(h)(3)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

All ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0013 V EQL Leak in Benzene Service Reqs

194 [40 CFR 61.242-8(a)]

Pressure relief devices in liquid service and connectors: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days if evidence of a potential leak is found by visible, audible, olfactory, or any other detection method and comply with the requirements of 40 CFR 61.242-8(b) through (d). OR eliminate the visual, audible, olfactory or other indication of a potential leak, except as specified in 40 CFR 61.242-1(c). If a reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 61.242-8(c). Subpart V. [40 CFR 61.242-8(a)]

Which Months: All Year Statistical Basis: None specified

Pressure relief devices in liquid service and connectors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 61.242-10. Subpart V. [40 CFR 61.242-8(c)]

Surge control vessels and bottoms receivers: Equip with a closed-vent system capable of capturing and transporting any leakage from the vessel back to the process or to a control device as described in 40 CFR 61.242-11 except as specified in 40 CFR 61.242-1(c), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 61 Subpart V Table 1 or Table 2. Subpart V.

Comply with the test methods and procedures requirements provided in 40 CFR 61.245. Subpart V. [40 CFR 61.245(a)]

Attach a weatherproof and readily visible identification, marked with the equipment identification number, to a leaking component detected as specified in 40 CFR 61.242-2, 40 CFR 61.242-3, 40 CFR 61.242-7, 40 CFR 61.242-8, and 40 CFR 61.135. The identification may be removed after it has been monitored for 2 successive months as specified in 40 CFR 61.242-7(c) and no leak has been detected during those 2 months. The identification on equipment, except on a valve, may be removed after it has been repaired. Subpart V. [40 CFR 61.246(b)]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in 40 CFR 61.246(b) through (j). Subpart V.

Submit report: Due semiannually, starting 6 months after the initial report required in 40 CFR 61.247(a). Include the information specified in 40 CFR 61.247(b)(1) through (b)(5). Subpart V. [40 CFR 61.247(b)]

Submit notification: Due 90 days before implementing alternative standards of 40 CFR 61.243-1 or 40 CFR 61.243-2. Subpart V. [40 CFR 61.247(d)]

Submit Notification in writing: Due with the application for approval of construction, as described in 40 CFR 61.07. Submit a statement that the requirements of 40 CFR 61.242, 40 CFR 61.245, 40 CFR 61.246 and 40 CFR 61.247 are being implemented. Include the information specified in 40 CFR 61.247(a)(5) and (c). Subpart V.

Submit Notification in writing: Due within 90 days of the effective date of 40 CFR 61 Subpart V, except as specified. Submit a statement that the requirements of 40 CFR 61.242, 40 CFR 61.245, 40 CFR 61.246 and 40 CFR 61.247 are being implemented. Include the information specified in 40 CFR 61.247(a)(5) and (c). Subpart V.

SCN0016 Tanktruck Railcar Loading Requirements

Group Members: EQT0016

204 [LAC 33:III.2107.B]

Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system.

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

SCN0016 Tanktruck Railcar Loading Requirements

- Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 205 [LAC 33:III.2107.B]
 Which Months: All Year Statistical Basis: None specified
 VOC, Total >= 90 % DRE, using a vapor disposal system.
 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 206 [LAC 33:III.2107.B]
 Which Months: All Year Statistical Basis: None specified
 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 207 [LAC 33:III.2107.C]
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 208 [LAC 33:III.2107.C]
 Which Months: All Year Statistical Basis: None specified
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.
- 209 [LAC 33:III.2107.D]
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 210 [LAC 33:III.2107.E]
 Which Months: All Year Statistical Basis: None specified
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

SCN0017 Marine Loading Requirements

Group Members: EQT0032

- Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading, VOC, Total (>= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 211 [LAC 33:III.2108.C.1]
 Which Months: All Year Statistical Basis: None specified
 Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 212 [LAC 33:III.2108.C.2]
 Which Months: All Year Statistical Basis: None specified
 Barge loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- 213 [LAC 33:III.2108.C.3.a]
 Which Months: All Year Statistical Basis: None specified
 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- 214 [LAC 33:III.2108.C.3.b]
 Which Months: All Year Statistical Basis: None specified
 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- 215 [LAC 33:III.2108.C.3.c]
 Which Months: All Year Statistical Basis: None specified
 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 216 [LAC 33:III.2108.C.3.d]
 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.
- 217 [LAC 33:III.2108.C.5]
 Submit test results: Due to the Office of Environmental Assessment within 45 days of any testing done in accordance with LAC 33:III.2108.E.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.
 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 218 [LAC 33:III.2108.C.6]
 219 [LAC 33:III.2108.E]
 220 [LAC 33:III.2108.F.1]
 221 [LAC 33:III.2108.F.2]
 222 [LAC 33:III.2108.G.1]

SPECIFIC REQUIREMENTS

All ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
 Activity Number: PER20030006
 Permit Number: 1260-00018-06
 Air - Minor (Synthetic) Modification

SCN0017 Marine Loading Requirements

- 223 [LAC 33:III.2108.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 224 [LAC 33:III.2108.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

SCN0018 IFR Landing Losses

Group Members: EQT0009 EQT0019 EQT0020 EQT0021 EQT0022 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

- 225 [LAC 33:III.501.C.6] Keep records of the emissions associated with the landing and refloating losses, along with the calculations and supporting documents.

SCN001 Kb Recordkeeping Reqs Only >=0.5 psi <=0.75 psi

Group Members: EQT0009 EQT0012 EQT0021 EQT0022 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

- 226 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 227 [40 CFR 60.116b(c)] VOL storage data recordkeeping by electronic or hard copy upon each occurrence. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

UNF0001 ENTIRE TERMINAL

- 228 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 229 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 230 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 231 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 232 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 233 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 234 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 235 [LAC 33:III.501.C.6] Keep records of the emissions associated with the tanks cleaning operation, along with the calculations and supporting documents.

SPECIFIC REQUIREMENTS

AI ID: 39978 - Kinder Morgan Liquids Terminals St Gabriel LLC
Activity Number: PER20030006
Permit Number: 1260-00018-06
Air - Minor (Synthetic) Modification

UNF0001 ENTIRE TERMINAL

- 236 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only).
- Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years.
- An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.